

**IN THE CLAIMS:**

**Kindly replace the claims of record with the following full set of claims;**

1. (Previously presented) A computer readable medium containing a computer program for managing a family of systems having a shared family architecture based upon commonly used generic building blocks of software, and wherein  
a component framework that comprises a skeleton of software architecture of generic and specific requirements, wherein said generic requirements focuses on generic meaning of service interfaces and said specific requirements provides for service specific issues and supports participating software plug-in components;  
individual software plug-in components provides one or more services/functions and  
the component framework defines roles/actions providing one or more common interfaces for communication of services of several plug-in components that manipulate hardware associated with the component framework.
2. (Original) A complex system being a member of the family as claimed in Claim 1, wherein the component framework includes an inventory function for assessing available services in the participating plug-in components.
3. (Previously Amended) A complex system as claimed in Claim 2, wherein the inventory function includes initializing the services.
4. (Previously Amended) A complex system as Claimed in Claim 2 wherein the inventory function assesses available services at initialization of the system or during run-time of the system.
5. (Previously Amended) A complex system as claimed in Claim 2 wherein the inventory function maintains a list of the available services.

6. (Previously Amended) A family of complex systems as claimed in Claim 1, wherein the family members are medical diagnostic systems-comprising an x-ray examination apparatus.

7. (Previously presented) A complex system-comprising an x-ray examination apparatus having a computer readable meaning comprising software architecture and wherein

- a component framework that comprises a skeleton of software architecture of generic and specific requirements, wherein said generic requirements focuses on generic meaning of service interfaces and said specific requirements provides for service specific issues and supports participating software plug-in components;
- individual software plug-in components providing one or more services including rotation displacements of components of an X-ray apparatus including X-ray source and X-ray detector, and a patient table, and

the component framework defines roles/actions that provide one or more common interfaces for communication of services of several participating software plug-in components.